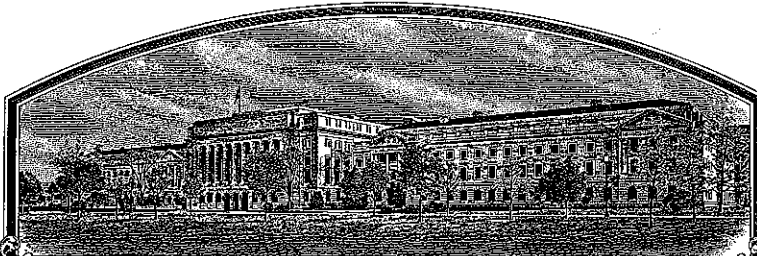


No.

200500045



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

*Seminis Vegetable Seeds, Inc.*

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CORIANDER

'Talavera'

*In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this fourteenth day of February, in the year two thousand and six.*

Attest:

Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE  
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER <b>Seminis Vegetable Seeds, Inc.</b>		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME <b>SVR 0340</b>		3. VARIETY NAME <b>Talavera</b>	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) <b>2700 Camino del Sol Oxnard, CA 93030-7967</b>		5. TELEPHONE (Include area code) <b>(805) 647-1572</b>		FOR OFFICIAL USE ONLY PVPO NUMBER <b>200500045</b> FILING DATE <b>DECEMBER 21, 2004</b>	
		6. FAX (Include area code) <b>(805) 918-2545</b>			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) <b>Corporation</b>		8. IF INCORPORATED, GIVE STATE OF INCORPORATION <b>California</b>		9. DATE OF INCORPORATION <b>4-Jun-1962</b>	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)				FILING AND EXAMINATION FEES:	
<b>Sharen Chaffin</b> <b>Seminis Vegetable Seeds, Inc.</b> <b>37437 State Hwy 16</b> <b>Woodland CA 95695</b>  <b>Marcel Bruins</b> <b>Seminis Vegetable Seeds, Inc.</b> <b>Nude 54D</b> <b>6702 DN Wageningen</b> <b>The Netherlands</b> <b>marcel.bruins@seminis.com</b> <b>PH: 31 317 450218; FX 31 317 450217</b>				F E E S : <b>3,652.00</b>	
				R E C E I V E D DATE <b>12/21/04</b>	
				CERTIFICATION FEE:	
				: <b>682.00</b>	
				DATE <b>10/14/05</b>	
11. TELEPHONE (Include area code) <b>(530) 669-6172</b>		12. FAX (Include area code) <b>(530) 666-4426</b>		13. E-MAIL <b>sharen.chaffin@seminis.com</b>	
14. CROP KIND (Common Name) <b>Coriander (Cilantro)</b>					
15. GENUS AND SPECIES NAME OF CROP <b>Coriandrum sativum L.</b>		16. FAMILY NAME (Botanical) <b>Apiaceae</b>		17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act			
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety		<input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no", go to item 22)			
b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO			
c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety		IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED			
d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO			
e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership		IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS.			
f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository)		<input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED			
g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		(If additional explanation is necessary, please use the space indicated on the reverse.)			
22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
24. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate.					
The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.					
Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.					

SIGNATURE OF OWNER

NAME (Please print or type)

Sharen Chaffin

SIGNATURE OF OWNER

NAME (Please print or type)

CAPACITY OR TITLE

IP Specialist

DATE

12/20/04

CAPACITY OR TITLE

DATE

**GENERAL:** To be effectively filed with the Plant Variety Protection Office (PVPO), **ALL** of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

**Plant Variety Protection Office**

**Telephone: (301) 504-5518**

**FAX: (301) 504-5291**

**Homepage: <http://www.ams.usda.gov/science/pvpo/pvp.htm>**

**ITEM**

- 18a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 18b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
  - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
  - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 18c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 18d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 18e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
19. If "Yes" is specified (*seed of this variety be sold by variety name only, as a class of certified seed*), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See *Regulations and Rules of Practice*, Section 97.103).
22. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
23. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

**21. CONTINUED FROM FRONT** (Please provide a statement as to the limitation and sequence of generations that may be certified.)

**22. CONTINUED FROM FRONT** (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

MX: Sale May 2004

**23. CONTINUED FROM FRONT** (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

**NOTES:** It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. There is no charge for filing a change of address. The fee for filing a change of ownership or assignment or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

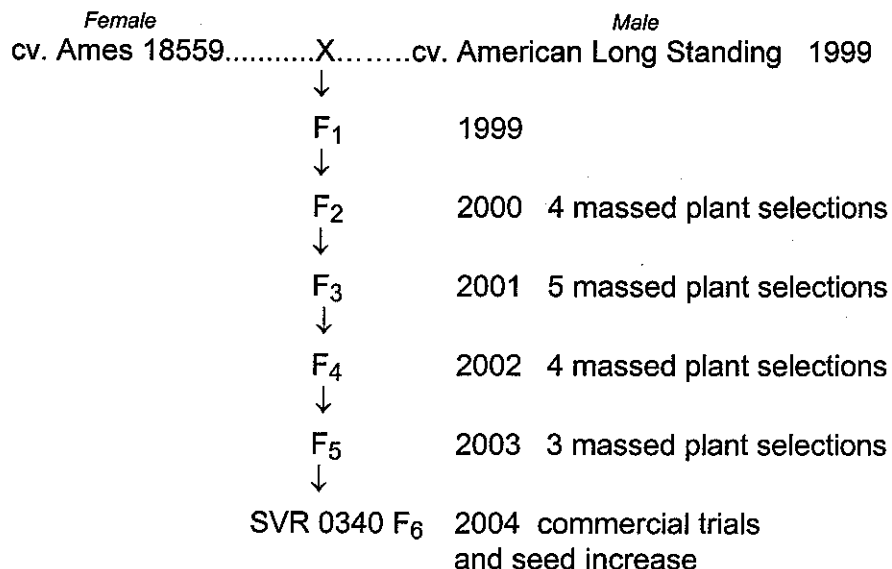
**To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, Room 213, Building 306, Beltsville Agricultural Research Center--East, Beltsville, MD 20705. Telephone: (301) 504-8089. <http://www.ams.usda.gov/lsg/seed.htm>**

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 3.0 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

ST-470 (02-10-2003) designed by the Plant Variety Protection Office with Word 2000. Replaces former versions of ST-470, which are obsolete.

Pedigree of ~~SVR 0340~~ 'Tala vera'

SVR 0340 originated in 1999 with the cross the breeding line Ames 18559 by cv. American Long Standing. The breeding line, Ames 18559 was obtained from the USDA-ARS Plant Introduction Station, Ames, IA. Plants were selected in masses (in groups of more than 10 individuals) at the Seminis Vegetables Seed's Research Station at Arroyo Grande, California. By F<sub>5</sub> a group of 3 families of massed individuals were judged uniform. In 2004 one F<sub>6</sub> family was chosen and was trialed extensively. An seed increase was also produced.

The breeding work was carried out by Dr. William Waycott at the Seminis Vegetable Seed's Research Station at Arroyo Grande, California.

The breeding method employed was pedigree selection, using the practice of mass selection. The selection criteria for SVR 0340 were:

1. a plant with larger leaf size.
2. a plant with increase resistance to premature stem elongation (bolting).

In trials of SVR 0340 during 2004 testing plants of the F<sub>6</sub> generation, we have seen neither genetic variants nor off-types in more than 10,000 plants, indicating that this variety is genetically uniform and stable.

*'Talavera'*

SVR 0340 is described as a vigorous, Long Standing type adapted to the coriander producing areas of California and other states. SVR 0340 can be sown throughout the year. SVR 0340 was selected for improved uniformity and performance compared to the most similar commercial cultivar, cv. American Long Standing, with slightly darker green large leaflets and resistance to bolting.

Phenotypically, SVR 0340 is distinct from cv. American Long Standing (Table 1). In replicated field trials, SVR 0340 consistently made larger leaflets (38.0 mm width by 56.1 mm length vs. 26.0 mm width by 34.0 mm length), slightly darker leaflets (RHS color chart 146A vs. 146A/B) and had delayed stem elongation (62 vs. 57 days to 15 cm), when compared to cv. American Long Standing.

The data presented here are statistically different at the 95% confidence level, exhibiting a range of means for leaflet width from 37.66 to 38.14 for SVR 0340 and from 25.72 to 26.18 for cv. American Long Standing, and of means for leaflet length from 55.70 to 56.30 for SVR 0340 and from 33.67 to 34.23 for cv. American Long Standing, using the 0.95 probability of generating confidence intervals (CI) that contains the means.

! Talavera!

5

**SVR 0340**  
cv. American Long Standing

<sup>b</sup> Mean leaflet width using two sowing dates of 15 plants per replication in mm  $\pm$  standard deviation.

<sup>b</sup> Mean leaflet width using two sowing dates of 15 plants per replication in mm  $\pm$  standard deviation.

<sup>c</sup> Mean leaflet length using two sowing dates of 15 plants per replication in  $\text{mm} \pm$  standard deviation.

<sup>d</sup> Mean number of days until stem reaches 15 cm using two replications of 15 plants each.

United States Department of Agriculture, Agricultural Marketing Service  
Science and Technology, Plant Variety Protection Office  
National Agricultural Library Building, Room 500  
Beltsville, MD 20705EXHIBIT C  
(General)OBJECTIVE DESCRIPTION OF VARIETY  
General Form for Any Species

'Talavera'

Name of Applicant(s)	Variety Seed Source	Variety Name or Temporary Designation <b>SVR 06510340</b>
Address (Street & No., or R.F.D. No., City, State, Zip Code and Country)		FOR OFFICIAL USE
		PVPO Number <b>200500045</b>

This is a general form for use when a form for a specific genus and species is not available. Applications of this type are made in species in which few varieties, if any, are commonly known. For that reason, a form cannot be drafted as the span of the variation of most characteristics is not known. In this case, the varieties are described according to the classical Linnaean way. Using a dictionary of botanical terms and this form, describe the characteristics of the application variety on the left side of the form and describe the most similar comparison variety on the right side of the form. Be as specific as possible. Include photographic prints of the varieties.

## 1. QUALITATIVE TRAITS:

Crop Kind (Common Name): <u>Coriander</u>	Name of Comparison: <u>American Long Standing</u>
Genus and Species: <u>Coriandrum sativum</u>	Source of Comparison: <u>Seminis Veg. Seeds</u>
Location Where Developed: <u>Arroyo Grande, CA USA</u>	Growing Conditions
Preferred Growing Conditions (light, moisture, soil type, pot/bedding/ground cover, etc.) <u>open field, adequate moisture, loam soil</u>	<u>Same</u>
Propagation Method (seed/tuber/cuttings/etc.; inbred/hybrid/open pollinated/etc.; annual/perennial/etc.): <u>Seed, open pollinated annual</u>	Propagation Method <u>Seed, Annual</u>
WHOLE PLANT HABIT (herbaceous/woody; upright/prostrate; thorns; tendrils; etc.): <u>herbaceous upright</u>	Plant Habit <u>herbaceous upright</u>
LEAF SHAPE (simple/compound; arrangement on stem; whole leaf shape; leaf margin; leaf base; leaf apex; leaf attachment; leaf venation; pubescence; waxiness; glands; fragrance; etc.): <u>Compound, pinnate, leaves are round, lobed, fragrant</u>	Leaf Shape <u>compound, pinnate, leaves are oval or round, slightly lobed, fragrant</u>
FLOWERS (inflorescence type; floret shape; bud; sepals; petals; stigma; stamen; pollen; etc.): <u>umbel, 5-6 rays</u>	Flowers: <u>umbel 6-7 rays</u>
FRUITS (type; surface features; attachment; seeds; etc.): <u>seed clusters very symmetrical</u>	Fruits and Seeds: <u>seed clusters very symmetrical</u>

## 2. QUANTITATIVE TRAITS:

	Trait	Average (Mean)	Standard Deviation	Sample Size	Trait	Average (Mean)	Standard Deviation	Sample Size
MATURITY	Number of Chromosomes (1N)	<u>22</u>			Number of Chromosomes (1N)	<u>22</u>		
	FROM DIRECT SEEDING							
	Days from emergence to first flower	<u>75 days</u>		15	Days from emergence to first flower	<u>73 days</u>		15
	Days from emergence to 50% of plants in flower	<u>89 days</u>		15	Days from emergence to 50% of plants in flower	<u>87 days</u>		15
	Days from first flower to last flower	<u>149 days</u>		15	Days from first flower to last flower	<u>147 days</u>		15
	FROM TRANS-PLANTING							
	Days from transplant to first flower	<u>---</u>			Days from transplant to first flower	<u>---</u>		
	Days from transplant to 50% of plants in flower	<u>---</u>			Days from transplant to 50% of plants in flower	<u>---</u>		
	Days from first flower to last flower	<u>---</u>			Days from first flower to last flower	<u>---</u>		
	FROM PACK TRIALS							
	Days from emergence to first flower	<u>---</u>			Days from emergence to first flower	<u>---</u>		
	Days from emergence to 50% of plants in flower	<u>---</u>			Days from emergence to 50% of plants in flower	<u>---</u>		
	Days from first flower to last flower	<u>---</u>			Days from first flower to last flower	<u>---</u>		
	PLANT							
LEAVES	mm Plant Height at Maturity	<u>1083.0 mm</u>	<u>24.9 mm</u>	15	mm Plant Height at Maturity	<u>1040.0</u>	<u>35.3 mm</u>	15
	mm Plant Width (Spread) at Maturity	<u>280.0 mm</u>	<u>16.3 mm</u>	15	mm Plant Width (Spread) at Maturity	<u>313.0</u>	<u>5 mm</u>	15
	Number of Stems Arising from Base of Plant	<u>1</u>		15	Number of Stems Arising from Base of Plant	<u>1</u>		15
	mm Main Stem Length	<u>1010.0 mm</u>	<u>5 mm</u>	15	mm Main Stem Length	<u>836.0</u>	<u>11.8 mm</u>	15
	mm Main Stem Diameter at Mid-point	<u>10.0 mm</u>	<u>5 mm</u>	15	mm Main Stem Diameter at Mid-point	<u>9.9</u>	<u>5 mm</u>	15
	Number of Branches (arising from lower half of main stem)	<u>4</u>		15	Number of Branches (arising from lower half of main stem)	<u>3</u>		15
	Branch Angle from Main Stem	<u>5°</u>		15	Branch Angle from Main Stem	<u>5°</u>		15
	Leaf Angle from Main Stem	<u>45°</u>		15	Leaf Angle from Main Stem	<u>45°</u>		15
	mm Width of Leaf	<u>65.0 mm</u>	<u>3.5 mm</u>	15	mm Width of Leaf	<u>12.0</u>	<u>2 mm</u>	15
	mm Length of Leaf Including Petiole	<u>227.0 mm</u>	<u>4.5 mm</u>	15	mm Length of Leaf Including Petiole	<u>330.0</u>	<u>5 mm</u>	15
	mm Thickness of Leaf	<u>1.0 mm</u>	<u>0</u>	15	mm Thickness of Leaf	<u>1.0</u>	<u>0</u>	15
	mm Length of Petiole	<u>121.0 mm</u>	<u>4 mm</u>	15	mm Length of Petiole	<u>120.0</u>	<u>3.5 mm</u>	15
	mm Width of Leaflet	<u>38.0 mm</u>	<u>1 mm</u>	15	mm Width of Leaflet	<u>26.0</u>	<u>1 mm</u>	15
	mm Length of Leaflet	<u>56.0 mm</u>	<u>1 mm</u>	15	mm Length of Leaflet	<u>34.0</u>	<u>1 mm</u>	15
	INFLORESCENCE							
INFLORESCENCE	mm Inflorescence Height From Ground	<u>1083.0 mm</u>	<u>24.9 mm</u>	15	mm Inflorescence Height From Ground	<u>1040.0</u>	<u>35.3 mm</u>	15
	mm Inflorescence Width (Diameter)	<u>49.0 mm</u>	<u>1.95 mm</u>	15	mm Inflorescence Width (Diameter)	<u>47.0</u>	<u>1.5 mm</u>	15
	mm Depth of Head or Inflorescence	<u>18.0 mm</u>	<u>1.8 mm</u>	15	mm Depth of Head or Inflorescence	<u>18.0</u>	<u>1.6 mm</u>	15
	Number of Florets Per Inflorescence	<u>5 to 6</u>	<u>4.7 mm</u>	15	Number of Florets Per Inflorescence	<u>6 to 7</u>	<u>5.1</u>	15
	mm Length of Peduncle	<u>60.0 mm</u>	<u>8.6 mm</u>	15	mm Length of Peduncle	<u>72.5</u>	<u>11.3</u>	15



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INDIVIDUAL FLORET	Number of Sepals per Floret	-5		15	Number of Sepals per Floret	-5		15
	Number of Petals per Floret	-4		15	Number of Petals per Floret	-4		15
	Number of Anthers per Floret	-5		15	Number of Anthers per Floret	-5		15
	Number of Stigmas per Floret	-2		15	Number of Stigmas per Floret	-2		15
	mm Floret Diameter	-5.0mm	4	15	mm Floret Diameter	-6.0	4.2	15
	mm Eye Diameter	---			mm Eye Diameter	---		
	mm Petal Length (ray flower if Compositae)	-4.0mm	2	15	mm Petal Length (ray flower if Compositae)	-5.0	1	15
	mm Petal Width (ray flower if Compositae)	-1.0mm	1	15	mm Petal Width (ray flower if Compositae)	-2.0	1	15
	mm Disk Flower Length (Compositae only)	-1.0mm	2	15	mm Disk Flower Length (Compositae only)	-1.5	3.5	15
	mm Disk Flower Width (Compositae only)	-1.0mm	1.8	15	mm Disk Flower Width (Compositae only)	-1.5	2	15
	mm Sepal Length	-1.0mm	2.5	15	mm Sepal Length	-1.0	2.3	15
	mm Sepal Width	-0.5mm	0	15	mm Sepal Width	-0.5	0	15
INDIVIDUAL FRUIT	mm Fruit Length	-5.0mm	1.2	15	mm Fruit Length	-4.0	1	15
	mm Fruit Width	-3.0mm	.5	15	mm Fruit Width	-3.0	1	15
	mm Fruit Thickness	-4.0mm	1	15	mm Fruit Thickness	-3.0	1.2	15
	gm Fruit Weight	-.01 gm	0	15	gm Fruit Weight	-.001	0	15
	mm Fruit Rind or Skin Thickness	-0.5mm	0	15	mm Fruit Rind or Skin Thickness	-0.5	0	15
	mm Fruit Flesh Thickness	-3.0mm	1.0	15	mm Fruit Flesh Thickness	-2.0	1	15
	Number of Locules (Cavities) per Fruit	-2		15	Number of Locules (Cavities) per Fruit	-2		15
	mm Cavity Width	-3.0mm	.8	15	mm Cavity Width	-2.0	.25	15
	mm Cavity Length	-4.0mm	1	15	mm Cavity Length	-3.0	1	15
	Number of Seeds per Fruit	-2		15	Number of Seeds per Fruit	-2		15
SEEDS	mg Weight per 1000 Seeds	7320.0mg	20.4	15	mg Weight per 1000 Seeds	6600.0	25.8	15
	mm Seed Length	-4.0mm	1	15	mm Seed Length	-3.0	1	15
	mm Seed Width	-3.0mm	.9	15	mm Seed Width	-2.0	.2	15
	mm Seed Thickness	-1.5mm	1	15	mm Seed Thickness	-1.0	0	15
OTHER								

## 3. PLANT COLORS:

	Color Verbal Name	Color Chart Code	Name of Color Chart		Color Name	Color Chart Code	Color Chart Name
EXAMPLE	Light Blue	106C	RHS				
Hypocotyl Color	medium yellowed green	145B	RHS	Hypocotyl Color	dark yellow green	145A	RHS
Cotyledon Color	dark greyed orange	165A	RHS	Cotyledon Color	dark greyed orange	165A	RHS
Brace Root Color				Brace Root Color			
Main Stem Color, Mature	light yellow green	146D	RHS	Main Stem Color, Mature	red purple	71A	RHS
Leaf or Leaflet Color, Dorsal	dark yellow green	146A	RHS	Leaf Color, Dorsal	dark yellow green	146A	RHS
Leaf or Leaflet Color, Ventral	dark yellow green	146A	RHS	Leaf Color, Ventral	yellow green	146B	RHS
Leaf or Leaflet Venation Color				Leaf or Leaflet Venation Color			
Leaf Color, Other (describe location or placement)				Leaf Color, Other			
Petiole Color	greyed green	197A	RHS	Petiole Color	greyed green	197A	RHS
Tendrill Color				Tendrill Color			
Thorn Color				Thorn Color			
Bud (Unopened Flower) Color	light yellow green	146D	RHS	Bud (Unopened Flower) Color	light yellow green	146D	RHS
Stigma Color				Stigma Color			
Style Color				Style Color			
Ovary (Immature Fruit) Color	med. yellow green	146B	RHS	Ovary (Immature Fruit) Color	med. yellow green	146B	RHS
Pollen Color	white			Pollen Color	white		
Anther Color				Anther Color			
Filament Color				Filament Color			
Petal Color, Main	white			Petal Color, Main	white		
Petal Color, Edges (Picotee)				Petal Color, Edges (Picotee)			
Petal Color, Blotches				Petal Color, Blotches			
Petal Color, Streaks				Petal Color, Streaks			
Petal Color, Spots				Petal Color, Spots			
Petal Color, Veins				Petal Color, Veins			
Petal Color, Eye				Petal Color, Eye			
Petal Color, Throat				Petal Color, Throat			
Petal Color, Disk Flowers (Compositae only)				Petal Color, Disk Flowers (Compositae only)			

## Application Variety Data

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## Comparison Variety Data

Floral Color, Other (describe location or placement)				Floral Color, Other (describe location or placement)			
Sepal Color	light yellowgreen	146C	RHS	Sepal Color	Yellowgreen	146B	RHS
Mature Fruit Color, Skin	yellow green	146B	RHS	Mature Fruit Color, Skin	yellow green	146B	RHS
Mature Fruit Color, Flesh	Yellow green	146B	RHS	Mature Fruit Color, Flesh	Yellow green	146B	RHS
Fruit Color, Other (describe location or placement)				Fruit Color, Other			
Seed Coat Color	light greyed orange	165C	RHS	Seed Coat Color	very light greyed orange	165D	RHS
Seed Embryo Color	greyed green	195B	RHS	Seed Embryo Color	greybrown	199B	RHS
Seed Structure Color, Other (describe location or placement)				Seed Structure Color, Other			

Note: Common Color Charts: RHS=Royal Horticultural Society Colour Chart  
Munsell=Munsell Book of Color  
HCC=Horticultural Colour Chart  
BCC=British Colour Council Dictionary of Colour Standards

## 4. DISEASE, INSECT, and ENVIRONMENT RESISTANCE

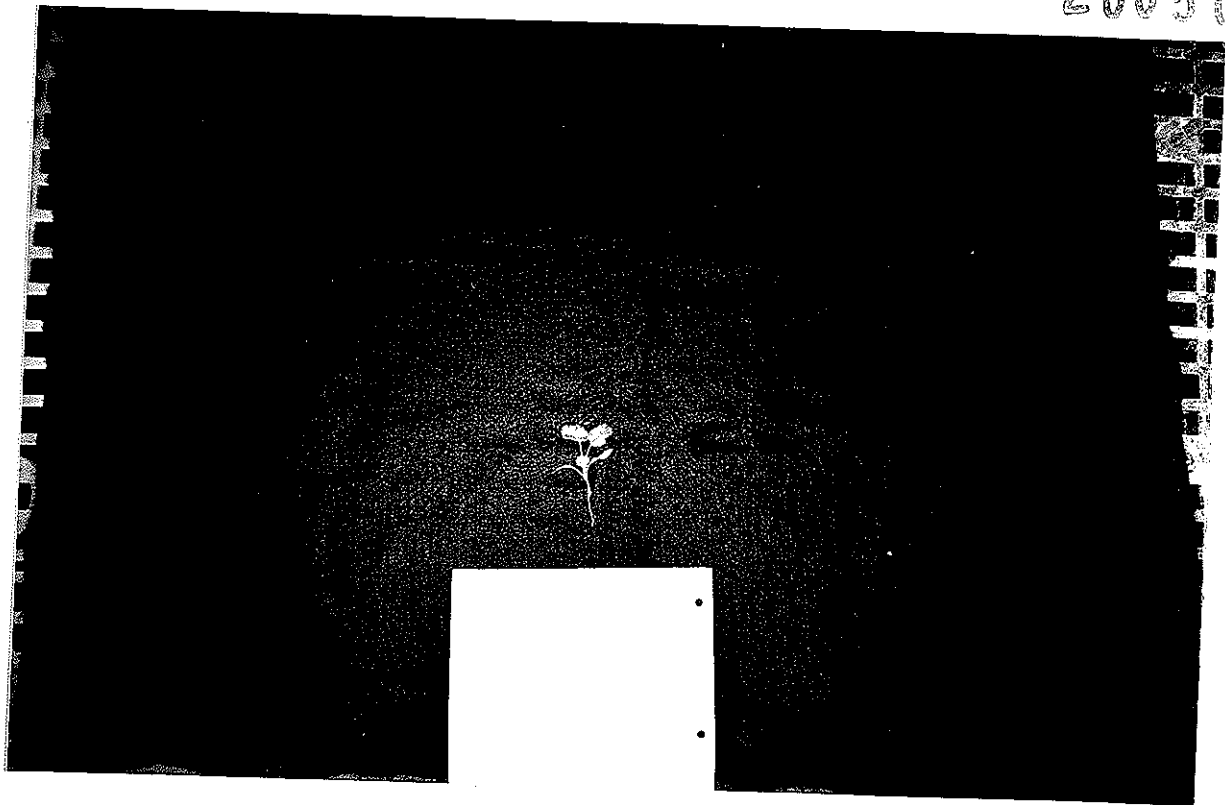
(Rate from 1 (most susceptible) to 9 (most resistant)):

<input type="checkbox"/> Powdery Mildew <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Aphids <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Heat <input type="checkbox"/> Cold <input type="checkbox"/> Lodging <input type="checkbox"/> Wind <input type="checkbox"/> Other (Specify) _____	<input type="checkbox"/> Powdery Mildew <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Aphids <input type="checkbox"/> Other (Specify) _____ <input type="checkbox"/> Heat <input type="checkbox"/> Cold <input type="checkbox"/> Lodging <input type="checkbox"/> Wind <input type="checkbox"/> Other (Specify) _____
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## REFERENCES:

- Bailey, L.H. 1971. Manual of Cultivated Plants. MacMillan, New York, N.Y.  
Hay, R.; P. M. Synge. 1991. The Colour Dictionary of Garden Plants with House and Greenhouse Plants. Bloomsbury Books, London.  
Munsell Color Chart for Plant Tissues. Macbeth, P.O. Box 230, Newburgh, N.Y. 12551-0230  
The Wise Garden Encyclopedia. 1990. HarperCollins Publishers, New York, N.Y.

COMMENTS (Attach photographic prints; Continue in Exhibit D):



Seedling, SVR-0340 'Talavera'



Fourth leaf from 20-day old seedlings, SVR-0340.

'Talavera'

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

**EXHIBIT E**  
**STATEMENT OF THE BASIS OF OWNERSHIP**

1. NAME OF APPLICANT(S)  Seminis Vegetable Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER  SVR 0340	3. VARIETY NAME  Talavera
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country)  2700 Camino del Sol Oxnard, CA 93030-7967	5. TELEPHONE (Include area code)  (805) 647-1572	6. FAX (Include area code)  (805) 918-2545
7. PVPO NUMBER <b>200500045</b>		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain.

☒

YES

☐

NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country.

☐

YES

☐

NO

10. Is the applicant the original owner?

☒

YES

☐

NO

If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. National(s)?

☐

YES

☐

NO

If no, give name of country

b. If the original rights to variety were owned by a company(ies), is (are) the original owner(s) a U.S. based company?

☐

YES

☐

NO

If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

The variety named in this application was developed by the Seminis Vegetable Seeds, Inc., employee (breeder) named below. By agreement between employee and Seminis Vegetable Seeds, Inc., all rights to any invention, discovery, or development made by an employee are assigned to the Company. No rights to such an invention, discovery, or development are retained by the employee.

Employee (Breeder): Bill Waycott

Site Location: Arroyo Grande, CA

**PLEASE NOTE:**

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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